

Title (en)

Rolling bearing for the arm of a motor vehicle window raiser.

Title (de)

Drehlager für Kraftfahrzeugfensterheberarm.

Title (fr)

Palier tournant pour bras de lève-vitre de véhicule automobile.

Publication

EP 0288367 A1 19881026 (FR)

Application

EP 88400927 A 19880415

Priority

FR 8705628 A 19870421

Abstract (en)

[origin: JPS6466388A] PURPOSE: To simplify the structure by forming one of shoulders on one of smooth surfaces and providing an introduction lubricant orifice of the axial direction opened to the smooth surface in order to supply the lubricant to a distribution passage communicating with the peripheral edge of a journal. CONSTITUTION: Two arms 12, 14 are provided in the inside of a door. The first arm 12 is used as a driven arm constituted of half arms 16, 18. The second arm 14 is used as a driving arm. A planar lateral surface 24 is stuck out and extended into a cylindrical opening 20 and it is constituted in one side of the cylindrical journal part of the rotary bearing. An axial orifice 34 for introduction of lubricant and a protection agent is provided at the cylindrical shoulder 22 of the half arm 18 and extended from the planar surface 36 to the planar surface 30 of the cylindrical shoulder 22. The orifice 34 is opened onto the surface 30 to supply the lubricant to two distribution passages 38, 40. In this way, the bearing can be guaranteed to be protected for a long period of time.

Abstract (fr)

L'invention est relative à un palier tournant pour le montage d'un premier bras sur un second bras (14) muni d'un trou cylindrique traversant (20) qui reçoit un tourillon constitué d'un premier épaulement cylindrique (22) faisant saillie depuis la surface latérale (24) du premier bras et d'un second épaulement cylindrique (26) faisant saillie depuis une pièce (16) formant bouchon de palier, les deux épaulements (22,26) étant reliés mécaniquement entre eux par leur surfaces planes en vis à vis (30,32) de manière à emprisonner le second bras. Selon l'invention l'un des épaulements (22) comporte un orifice axial (34) d'introduction d'un agent lubrifiant qui débouche à la surface plane de l'épaulement (30) pour alimenter en agent lubrifiant un canal de distribution (38,40), formé dans au moins une des deux surfaces planes (30,32), qui communique avec la périphérie du tourillon.

IPC 1-7

E05F 11/44; F16C 11/04; F16C 33/10

IPC 8 full level

E05F 11/44 (2006.01); **F16C 11/04** (2006.01); **F16C 17/02** (2006.01); **F16C 33/00** (2006.01); **F16C 33/10** (2006.01)

CPC (source: EP US)

E05F 11/445 (2013.01 - EP US); **F16C 11/04** (2013.01 - EP US); **F16C 33/102** (2013.01 - EP US); **F16C 33/103** (2013.01 - EP US); **E05Y 2900/55** (2013.01 - EP US); **Y10T 403/32967** (2015.01 - EP US)

Citation (search report)

- [A] FR 2528366 A1 19831216 - PAUMELLERIE ELECTRIQUE [FR]
- [A] DE 2321185 B1 19740530
- [A] FR 2392271 A1 19781222 - WEST & SON ENGINEERS LTD [GB]
- [A] US 4251182 A 19810217 - SCHROEDER WILLIAM L

Designated contracting state (EPC)

DE ES GB IT SE

DOCDB simple family (publication)

EP 0288367 A1 19881026; EP 0288367 B1 19901227; BR 8801880 A 19881122; CA 1283437 C 19910423; DE 3861411 D1 19910207; ES 2020335 B3 19910801; FR 2614355 A1 19881028; FR 2614355 B1 19890728; JP S6466388 A 19890313; MX 169929 B 19930802; US 4846591 A 19890711

DOCDB simple family (application)

EP 88400927 A 19880415; BR 8801880 A 19880420; CA 564721 A 19880421; DE 3861411 T 19880415; ES 88400927 T 19880415; FR 8705628 A 19870421; JP 9579888 A 19880420; MX 1107288 A 19880411; US 18464588 A 19880422